

Rule
1.12(b)

14
--16. A Mab according to Claim 1, capable of detecting PP-13 at a concentration of 0.05 ng/ml in a sandwich ELISA assay.--

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--17. A kit according to Claim 11 wherein said signal generating molecule is an enzyme.--

16
--18. A kit according to Claim 11 wherein said signal generating molecule is a ligand, and said kit further comprises a ligand binding molecule linked to an enzyme.--

17
--19. A kit according to Claim 18 wherein said ligand is biotin and said ligand-binding molecule is extravidin.--

REMARKS

The above amendments to the claims are being made in order to place the claims in better condition for allowance.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version with Markings to Show Changes Made."

Favorable consideration and allowance are earnestly solicited.

Respectfully submitted,
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VERSION WITH MARKINGS TO SHOW CHANGES MADE

1. A monoclonal antibody (Mab) capable of binding Placental Protein 13 (PP-13) with high affinity.

4. An immunoassay for measuring the level of PP-13 in a biological fluid comprising the steps of:

[(a)] (One) bringing said fluid into contact with a Mab according to any of Claims 1, 2, or 16 [Claim 1], thereby forming Mab-PP-13 complexes;

[(b)] (Two) exposing said complexes to a second Mab according to any of claims 1, 2, or 16 linked to a signal-generating molecule, said second Mab being capable of binding said complexes; and

[(c)] (Three) providing conditions conducive to the production of a signal generated by said signal-generating molecule,

wherein said immunoassay is capable of measuring PP-13 over a concentration range of 10-500 pg/ml.

7. An immunoassay according to either of Claims 4 or 5, [Claim 4] wherein said signal generating molecule is an enzyme.

8. An immunoassay according to either of Claims 4 or 5, Claim 4 wherein said signal generating molecule is a ligand, and

step (c) of Claim 4 comprises incubating the product of step (b) with a ligand binding molecule linked to an enzyme.

10. A kit for measuring the level of PP-13 in a biological fluid comprising

(One) [(a)] a Mab according to any of claims 1, 2, or 16 [Claim 1];

(Two) [(b)] a second Mab according to any of Claims 1, 2, or 16 [antibody] linked to a signal-generating molecule; and

(Three) [(c)] PP-13 standard solutions.